

L Number	Hits	Search Text	DB	Time stamp
1	1	("5,865,548").PN.	USPAT; US-PGPUB	2004/08/02 12:25
-	17	johson-jennifer\$.in.	USPAT; US-PGPUB	2004/07/28 10:42
-	99	harrison-daniel\$.in.	USPAT; US-PGPUB	2004/07/22 12:38
-	59382	347/\$.ccls. or 400/\$.ccls.	USPAT; US-PGPUB	2004/07/22 12:38
-	7	harrison-daniel-j.in. and (347/\$.ccls. or 400/\$.ccls. )	USPAT; US-PGPUB	2004/07/22 12:38
-	49	harrison-daniel-j.in.	USPAT; US-PGPUB	2004/07/22 12:40
-	1510	knoop near1 hardness	USPAT; US-PGPUB	2004/07/22 12:43
-	218	sheffield near1 smooth\$	USPAT; US-PGPUB	2004/07/22 12:43
-	0	(knoop near1 hardness) and (sheffield near1 smooth\$)	USPAT; US-PGPUB	2004/07/22 12:41
-	0	10/737,353	USPAT; US-PGPUB	2004/07/22 12:41
-	33	sheffield near1 smooth\$	EPO; JPO; DERWENT	2004/07/22 12:43
-	0	(sheffield near1 smooth\$) and (knoop near1 hardness)	EPO; JPO; DERWENT	2004/07/22 12:43
-	431	knoop near1 hardness	EPO; JPO; DERWENT	2004/07/22 13:07
-	6463	b41j031/\$.ipc. b41j031/\$.epc.	EPO; JPO; DERWENT	2004/07/22 13:07
-	34765	(clean\$ or wipe or wiping or wiped or polish\$) near2 (section or portion or area or part or segment or piece or length or leader or leading or trailer or trailing)	EPO; JPO; DERWENT	2004/07/22 13:09
-	37	(b41j031/\$.ipc. b41j031/\$.epc.) and ((clean\$ or wipe or wiping or wiped or polish\$) near2 (section or portion or area or part or segment or piece or length or leader or leading or trailer or trailing))	EPO; JPO; DERWENT	2004/07/27 09:11
-	20	(("3,823,947") or ("3,827,699") or ("4,138,229") or ("4,369,456") or ("4,422,119") or ("4,446,205") or ("4,476,177") or ("4,644,370") or ("4,933,015") or ("5,227,226") or ("5,525,417") or ("5,536,328") or ("5,563,646") or ("5,688,060") or ("5,875,719") or ("5,926,197") or ("5,936,816") or ("5,995,126") or ("6,028,614") or ("6,210,490") or ("20040017458")).PN.	USPAT; US-PGPUB	2004/07/29 16:31
-	21	(("3,823,947") or ("3827,699") or ("4,138,229") or ("4,369,456") or ("4,422,119") or ("4,446,205") or ("4,476,177") or ("4,644,370") or ("4,933,015") or ("5,227,226") or ("5,525,417") or ("5,536,328") or ("5,563,646") or ("5,688,060") or ("5,875,719") or ("5,926,197") or ("5,936,816") or ("5,995,126") or ("6,028,614") or ("6,210,490") or ("20040017458")).PN.	USPAT; US-PGPUB	2004/07/22 14:26
-	2	wo-9321020-\$ did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/22 14:46
-	0	(b41j031/05.ipc. or b41j031/05.epc.) and (sheffield or knoop)	EPO; JPO; DERWENT	2004/07/22 16:16
-	352	400/238.ccls. or 400/241\$.ccls.	USPAT; US-PGPUB	2004/07/22 16:51
-	9650	sheffield or knoop	USPAT; US-PGPUB	2004/07/22 16:59
-	0	(400/238.ccls. or 400/241\$.ccls.) and (sheffield or knoop)	USPAT; US-PGPUB	2004/07/22 15:40
-	2	(("5,820,361") or ("6,007,329")).PN.	USPAT; US-PGPUB	2004/07/22 15:57



	21	(b41j031/05.ipc. or b41j031/05.epc.) and (hardness or smoothness) not (((JP-2002166666-\$ did. JP-2000127561-\$ did. JP-11058901-\$ did. JP-10100454-\$ did. JP-10076738-\$ did. JP-3045010-\$ did. JP-10016414-\$ did. JP-10000839-\$ did. JP-09202023-\$ did. JP-09039348-\$ did. JP-08332764-\$ did. JP-08290641-\$ did. JP-08192525-\$ did. JP-08090943-\$ did. JP-08011406-\$ did. JP-07227982-\$ did. JP-07223351-\$ did. JP-07172015-\$ did. JP-07076116-\$ did. JP-07001812-\$ did. JP-07001811-\$ did. JP-07001810-\$ did. JP-07001809-\$ did. JP-06082518-\$ did. JP-06179293-\$ did. JP-06155844-\$ did. JP-06135023-\$ did. JP-06032044-\$ did. JP-06015936-\$ did. JP-05063860-\$ did. JP-05147324-\$ did. JP-05139003-\$ did. JP-05138992-\$ did. JP-04294185-\$ did. JP-04216984-\$ did. JP-04173289-\$ did. JP-04063265-\$ did. JP-04146997-\$ did. JP-04083676-\$ did. JP-03281278-\$ did. JP-03109864-\$ did. JP-03247479-\$ did. JP-03069382-\$ did. JP-03039284-\$ did. JP-03009851-\$ did. JP-03008572-\$ did. JP-03008571-\$ did. JP-02283485-\$ did. JP-02094143-\$ did. JP-02188292-\$ did. JP-02178077-\$ did. JP-02171275-\$ did. JP-02036461-\$ did. JP-02045184-\$ did. JP-01269583-\$ did. JP-01258977-\$ did. JP-01242278-\$ did. JP-01225580-\$ did. JP-01154787-\$ did. JP-01089158-\$ did. JP-01064459-\$ did. JP-01030259-\$ did. JP-63182157-\$ did. JP-63233877-\$ did. JP-63144248-\$ did. JP-63216781-\$ did.	EPO; JPO; DERWENT	2004/07/22 17:40
Search History	8/2/04 12:40:43 PM 04/07/2004 Page 2 C:\APPS\east\workspaces\JP-63056658-\$ did. JP-63056658-\$ did.			

-	173296	smoothness or hardness	USPAT; US-PGPUB	2004/07/22 16:51
-	23	(400/238.ccls. or 400/241\$.ccls.) and (smoothness or hardness)	USPAT; US-PGPUB	2004/07/22 16:51
-	6	sheffield and knoop	USPAT; US-PGPUB	2004/07/22 17:17
-	59382	400/\$.ccls. or 347/\$.ccls.	USPAT; US-PGPUB	2004/07/22 17:17
-	22590	(ribbon or tape or film or media) near2 (clean\$ or wipe or wiping or wiped or polish\$)	USPAT; US-PGPUB	2004/07/22 17:18
-	480	((400/\$.ccls. or 347/\$.ccls. ) and ((ribbon or tape or film or media) near2 (clean\$ or wipe or wiping or wiped or polish\$)))	USPAT; US-PGPUB	2004/07/22 17:18
-	46093	(heat near1 sensitive or thermal\$) near2 (ribbon or tape or printing or printer or donor or film or media)	USPAT; US-PGPUB	2004/07/22 17:19
-	126	((400/\$.ccls. or 347/\$.ccls. ) and ((ribbon or tape or film or media) near2 (clean\$ or wipe or wiping or wiped or polish\$))) and ((heat near1 sensitive or thermal\$) near2 (ribbon or tape or printing or printer or donor or film or media))	USPAT; US-PGPUB	2004/07/22 17:20
-	2	JP-05147324-\$ did.	EPO; JPO; DERWENT	2004/07/22 17:42
-	4	("6,585,437") or ("4,432,830") or ("5,832,556") or ("5,926,197").PN.	USPAT; US-PGPUB	2004/07/22 17:42
-	631	(400/237-241.4).CCLS.	USPAT; US-PGPUB	2004/07/28 10:56
-	139765	hardness	USPAT; US-PGPUB	2004/07/26 17:09
-	9	((400/237-241.4).CCLS.) and hardness	USPAT; US-PGPUB	2004/07/26 17:27
-	25	thermal near1 (ribbon or film or tape or donor) near25 hardness	USPAT; US-PGPUB	2004/07/26 17:32
-	1381	(thermal near1 (ribbon or film or tape or donor) near25 hardness) mpy (((400/237-241.4).CCLS.) and hardness)	USPAT; US-PGPUB	2004/07/26 17:28
-	25	(thermal near1 (ribbon or film or tape or donor) near25 hardness) not (((400/237-241.4).CCLS.) and hardness)	USPAT; US-PGPUB	2004/07/26 17:28
-	6469	b41j031/.ipc. b41j031/.epc.	EPO; JPO; DERWENT	2004/07/26 17:38
-	115785	hardness	EPO; JPO; DERWENT	2004/07/26 17:32
-	35	(b41j031/.ipc. b41j031/.epc.) and hardness	EPO; JPO; DERWENT	2004/07/26 17:37
-	10942	(calcium carbonate mica talc clay) near1 (particle or particulate or platelet or powder or chip)	EPO; JPO; DERWENT	2004/07/26 17:42
-	6	(b41j031/.ipc. b41j031/.epc.) and ((calcium carbonate mica talc clay) near1 (particle or particulate or platelet or powder or chip))	EPO; JPO; DERWENT	2004/07/26 17:39
-	2	jp-02112990-\$ did.	EPO; JPO; DERWENT	2004/07/26 17:50
-	10	(calcium carbonate mica talc clay) near1 (particle or particulate or platelet or powder or chip) and (thermal) near1 (film or ribbon or donor or tape)	EPO; JPO; DERWENT	2004/07/26 17:45
-	10	((calcium carbonate mica talc clay) near1 (particle or particulate or platelet or powder or chip) and (thermal) near1 (film or ribbon or donor or tape)) not ((b41j031/.ipc. b41j031/.epc.) and ((calcium carbonate mica talc clay) near1 (particle or particulate or platelet or powder or chip)))	EPO; JPO; DERWENT	2004/07/26 17:43
-	0	(calcium carbonate mica talc clay) near1 (particle or particulate or platelet or powder or chip) and (head or printhead) near1 (clean\$)	EPO; JPO; DERWENT	2004/07/26 17:45
-	23	(calcium carbonate mica talc clay) near1 (particle or particulate or platelet or powder or chip) and (head or printhead) near1 (clean\$)	USPAT; US-PGPUB	2004/07/27 08:15
-	1	ep-407220 -\$ did.	EPO; JPO; DERWENT	2004/07/26 17:50
-	2	ep-407220-\$ did.	EPO; JPO; DERWENT	2004/07/26 17:50
-	0	5459120.URPN.	USPAT	2004/07/26 17:51
-	4	("5,474,966") or ("6,086,987") or ("5,108,834") or ("20030089450").PN.	USPAT; US-PGPUB	2004/07/27 08:15
-	23	(calcium carbonate mica talc clay) near1 (particle or particulate or platelet or powder or chip) and (head or printhead) near1 (clean\$)	USPAT; US-PGPUB	2004/07/27 08:15

-	454944	polypropylene or polyethylene	USPAT; US-PGPUB	2004/07/27 08:16
-	16	((calcium carbonate mica talc clay) near1 (particle or particulate or platelet or powder or chip) and (head or printhead) near1 (clean\$) ) and (polypropylene or polyethylene)	USPAT; US-PGPUB	2004/07/27 08:26
-	11444	(modified or oriented) near1 (polypropylene or polyethylene)	USPAT; US-PGPUB	2004/07/27 08:32
-	3962	Heat near1 resistant near1 (support or layer or sheet or substrate or backing or carrier)	USPAT; US-PGPUB	2004/07/27 08:44
-	59423	400/\$.ccls. or 347/\$.ccls.	USPAT; US-PGPUB	2004/07/27 08:27
-	187	(Heat near1 resistant near1 (support or layer or sheet or substrate or backing or carrier)) and (400/\$.ccls. or 347/\$.ccls. )	USPAT; US-PGPUB	2004/07/27 08:27
-	683	Heat near1 resistant near1 (support or layer or sheet or substrate or backing or carrier) near4 (ribbon or film or donor or tape)	USPAT; US-PGPUB	2004/07/27 08:28
-	60	((Heat near1 resistant near1 (support or layer or sheet or substrate or backing or carrier)) and (400/\$.ccls. or 347/\$.ccls. )) and (Heat near1 resistant near1 (support or layer or sheet or substrate or backing or carrier) near4 (ribbon or film or donor or tape))	USPAT; US-PGPUB	2004/07/27 08:28
-	4	((modified or oriented) near1 (polypropylene or polyethylene) ) and ((Heat near1 resistant near1 (support or layer or sheet or substrate or backing or carrier)) and (400/\$.ccls. or 347/\$.ccls. ))	USPAT; US-PGPUB	2004/07/27 08:28
-	178	(b41j031/\$.ipc. b41j031/\$.epc.) and (clean\$ or wipe or wiping or wiped or polish\$)	EPO; JPO; DERWENT	2004/07/27 09:26
-	7067	(modified or oriented) near1 (polypropylene or polyethylene)	EPO; JPO; DERWENT	2004/07/27 08:32
-	0	((b41j031/\$.ipc. b41j031/\$.epc.) and (clean\$ or wipe or wiping or wiped or polish\$) ) and ((modified or oriented) near1 (polypropylene or polyethylene) )	EPO; JPO; DERWENT	2004/07/27 08:32
-	278362	(polypropylene or polyethylene)	EPO; JPO; DERWENT	2004/07/27 08:33
-	8	((b41j031/\$.ipc. b41j031/\$.epc.) and (clean\$ or wipe or wiping or wiped or polish\$) ) and ( (polypropylene or polyethylene) )	EPO; JPO; DERWENT	2004/07/27 08:33
-	6469	(b41j031/\$.ipc. b41j031/\$.epc.)	EPO; JPO; DERWENT	2004/07/27 08:34
-	8	((modified or oriented) near1 (polypropylene or polyethylene) ) and ((b41j031/\$.ipc. b41j031/\$.epc. ) )	EPO; JPO; DERWENT	2004/07/27 08:35
-	8	(((modified or oriented) near1 (polypropylene or polyethylene) ) and ((b41j031/\$.ipc. b41j031/\$.epc. ) )) not (((b41j031/\$.ipc. b41j031/\$.epc. ) and (clean\$ or wipe or wiping or wiped or polish\$) ) and ( (polypropylene or polyethylene) ))	EPO; JPO; DERWENT	2004/07/27 08:42
-	16	(square or sq) near2 (mm or milimeter or milimeter or millimetre or mi2limetre) near2 (particles or particulate or platelet)	EPO; JPO; DERWENT	2004/07/27 08:44
-	0	((b41j031/\$.ipc. b41j031/\$.epc. ) ) and ((square or sq) near2 (mm or milimeter or milimeter or millimetre or mi2limetre) near2 (particles or particulate or platelet))	EPO; JPO; DERWENT	2004/07/27 08:43
-	631	(400/237-241.4).CCLS.	USPAT; US-PGPUB	2004/07/27 08:44
-	22	(square or sq) near2 (mm or milimeter or milimeter or millimetre or mi2limetre) near2 (particles or particulate or platelet)	USPAT; US-PGPUB	2004/07/27 08:44
-	117	(square or sq) near2 (mm or milimeter or milimeter or millimetre or mi2limetre or inch or in) near2 (particles or particulate or platelet)	USPAT; US-PGPUB	2004/07/27 08:45
-	0	((400/237-241.4).CCLS.) and ((square or sq) near2 (mm or milimeter or milimeter or millimetre or mi2limetre or inch or in) near2 (particles or particulate or platelet))	USPAT; US-PGPUB	2004/07/27 08:44
-	11023	(particles or particulate or platelet) near2 per	USPAT; US-PGPUB	2004/07/27 08:45
-	0	((400/237-241.4).CCLS.) and ((particles or particulate or platelet) near2 per)	USPAT; US-PGPUB	2004/07/27 08:47
-	0	10/737,353	USPAT; US-PGPUB	2004/07/27 08:51
-	1	("5,776,280").PN.	USPAT; US-PGPUB	2004/07/27 08:58
-	4	(("4,287,264") or ("4,289,535") or ("4,675,705") or ("5,416,058")).PN.	USPAT; US-PGPUB	2004/07/27 08:58

	1325	(400/\$.ccls. or 347/\$.ccls.) and ((clean\$ or wipe or wiping or wiped or polish\$) near2 (section or portion or area or part or segment or piece or length or leader or leading or trailer or trailing)) jp-2000033263-\$ did.	USPAT; US-PGPUB	2004/07/27 09:12
	2	jp-11301859-\$ did.	EPO; JPO; DERWENT	2004/07/27 09:26
	1	jp-62095289-\$ did.	EPO; JPO; DERWENT	2004/07/27 10:35
	25	(400/\$.ccls. or 347/\$.ccls.) and ((clean\$ or wipe or wiping or wiped or polish\$) near2 (section or portion or area or part or segment or piece or length or leader or leading or trailer or trailing)) near4 (ribbon or donor or film)	EPO; JPO; DERWENT USPAT; US-PGPUB	2004/07/27 11:13
	136	thermal adj1 (substrate or receiver or paper or media or medium) and 428/\$.ccls.	USPAT; US-PGPUB	2004/07/27 11:14
	7	thermal adj1 (substrate or receiver or paper or media or medium).ti. and 428/\$.ccls.	USPAT; US-PGPUB	2004/07/27 11:14
	124	thermal\$ near2 (substrate or receiver or paper or media or medium).ti. and 428/\$.ccls.	USPAT; US-PGPUB	2004/07/27 11:16
	11580	(head or printhead) near2 (clean\$ or polish\$)	USPAT; US-PGPUB	2004/07/27 11:15
	0	(thermal\$ near2 (substrate or receiver or paper or media or medium).ti. and 428/\$.ccls. ) and ((head or printhead) near2 (clean\$ or polish\$))	USPAT; US-PGPUB	2004/07/27 11:15
	408	thermal\$ near2 (substrate or receiver or paper or media or medium).ti.	USPAT; US-PGPUB	2004/07/27 11:24
	5	((head or printhead) near2 (clean\$ or polish\$)) and (thermal\$ near2 (substrate or receiver or paper or media or medium).ti. )	USPAT; US-PGPUB	2004/07/27 11:20
	14	conwell-kevin\$.in.	USPAT; US-PGPUB	2004/07/27 11:18
	1130	((347/105) or (347/106)).CCLS.	USPAT; US-PGPUB	2004/07/27 11:21
	47	((head or printhead) near2 (clean\$ or polish\$)) and (((347/105) or (347/106)).CCLS.)	USPAT; US-PGPUB	2004/07/27 11:21
	36	thermal\$ near1 (printer or printing) near2 (receiver or paper or media or medium).ti.	USPAT; US-PGPUB	2004/07/27 11:25
	22547	printing adj (media or medium or paper or sheet)	USPAT; US-PGPUB	2004/07/27 11:25
	585	printing adj (media or medium or paper or sheet).ti.	USPAT; US-PGPUB	2004/07/27 11:25
	6827	thermal adj printer	USPAT; US-PGPUB	2004/07/27 11:25
	23	(printing adj (media or medium or paper or sheet).ti.) and (thermal adj printer)	USPAT; US-PGPUB	2004/07/27 11:27
	12	503/\$.ccls. and (head or printhead) near1 (clean\$ or polish\$)	USPAT; US-PGPUB	2004/07/27 12:33
	47	(head or printhead) near2 (clean\$ or polish\$)	IBM_TDB	2004/07/27 11:39
	4009	thermal	IBM_TDB	2004/07/27 11:39
	4	((head or printhead) near2 (clean\$ or polish\$)) and thermal	IBM_TDB	2004/07/27 11:39
	14154	(printer or printing) near1 (media or medium or sheet or paper or receiver or substrate).ti.	EPO; JPO; DERWENT	2004/07/27 12:13
	346	thermal and (head or printhead) near2 (clean\$ or polish\$)	EPO; JPO; DERWENT	2004/07/27 12:13
	3	((printer or printing) near1 (media or medium or sheet or paper or receiver or substrate).ti.) and (thermal and (head or printhead) near2 (clean\$ or polish\$))	EPO; JPO; DERWENT	2004/07/27 11:50
	56	(b41m005/\$.ipc. or b41m005/\$.epc.) and (head or printhead) near2 (clean\$ or polish\$)	EPO; JPO; DERWENT	2004/07/27 12:08
	2	jp-05221466-\$ did.	EPO; JPO; DERWENT	2004/07/27 12:08
	850	(heat near1 (sensitive or sensible)) near1 (media or medium or sheet or paper or receiver or substrate).ti.	EPO; JPO; DERWENT	2004/07/27 12:14
	10400	(head or printhead) near2 (clean\$ or polish\$)	EPO; JPO; DERWENT	2004/07/27 12:14
	0	((heat near1 (sensitive or sensible)) near1 (media or medium or sheet or paper or receiver or substrate).ti.) and ( (head or printhead) near2 (clean\$ or polish\$))	EPO; JPO; DERWENT	2004/07/27 12:14

	49	(heat near1 sensitive) near1 (media or medium or sheet or paper or receiver or substrate).ti.	USPAT;	2004/07/27 12:15
	11580	(head or printhead) near2 (clean\$ or polish\$)	US-PGPUB	2004/07/27 12:17
	0	((heat near1 sensitive) near1 (media or medium or sheet or paper or receiver or substrate).ti.) and ((head or printhead) near2 (clean\$ or polish\$))	USPAT;	2004/07/27 12:15
	148755	(media or medium or sheet or paper or receiver or substrate).ti.	US-PGPUB	2004/07/27 12:15
	804	((head or printhead) near2 (clean\$ or polish\$)) and ((media or medium or sheet or paper or receiver or substrate).ti.)	USPAT;	2004/07/27 12:15
	401247	(printer or printing or image near1 (forming or recorder or recording)) or 400/\$.ccls. or 347/\$.ccls.	US-PGPUB	2004/07/27 12:16
	321	((head or printhead) near2 (clean\$ or polish\$)) and ((media or medium or sheet or paper or receiver or substrate).ti.) and ((printer or printing or image near1 (forming or recorder or recording)) or 400/\$.ccls. or 347/\$.ccls.)	USPAT;	2004/07/27 12:16
	1291	((head or printhead) near2 (clean\$ or polish\$) near6 (paper or media or medium or sheet or substrate or receiver)	US-PGPUB	2004/07/27 12:18
	60	((((head or printhead) near2 (clean\$ or polish\$)) and ((media or medium or sheet or paper or receiver or substrate).ti.)) and ((printer or printing or image near1 (forming or recorder or recording)) or 400/\$.ccls. or 347/\$.ccls.)) and ((head or printhead) near2 (clean\$ or polish\$) near6 (paper or media or medium or sheet or substrate or receiver))	USPAT;	2004/07/27 12:18
	1	jp-55142685-\$ did.	EPO; JPO; DERWENT	2004/07/27 12:33
	13	thermal adj transfer near1 (ribbon or film or tape or donor) and particle and (too adj soft or too adj hard)	USPAT;	2004/07/28 10:45
	12137	(clean\$ or polish\$ or wiping or wipe) near2 (head or printhead)	US-PGPUB	2004/07/28 10:46
	13	thermal adj transfer near1 (ribbon or film or tape or donor) and (particulate or particle) and (too adj soft or too adj hard)	USPAT;	2004/07/28 10:46
	0	((clean\$ or polish\$ or wiping or wipe) near2 (head or printhead)) and (thermal adj transfer near1 (ribbon or film or tape or donor) and (particulate or particle) and (too adj soft or too adj hard))	USPAT;	2004/07/28 10:46
	370	(ribbon or tape or film or donor) near2 (clean\$ or polish\$ or wiping or wipe) near2 (head or printhead)	USPAT;	2004/07/28 10:54
	105086	400/\$.ccls. ro 347/\$.ccls.	US-PGPUB	2004/07/28 10:46
	549353	printer or printing or printed or print	USPAT;	2004/07/28 10:46
	556935	printer or printing or printed or print or thermal near1 transfer	US-PGPUB	2004/07/28 10:47
	78	((ribbon or tape or film or donor) near2 (clean\$ or polish\$ or wiping or wipe) near2 (head or printhead)) and (printer or printing or printed or print or thermal near1 transfer)	USPAT;	2004/07/28 10:47
	1782802	hard\$ or soft\$ or smooth\$ or rough\$	US-PGPUB	2004/07/28 10:48
	54	((((ribbon or tape or film or donor) near2 (clean\$ or polish\$ or wiping or wipe) near2 (head or printhead)) and (printer or printing or printed or print or thermal near1 transfer)) and (hard\$ or soft\$ or smooth\$ or rough\$))	USPAT;	2004/07/28 10:48
	55	(ribbon or tape or film or donor) near2 (clean\$ or polish\$ or wiping or wipe) near2 (head or printhead).ab.	USPAT;	2004/07/28 10:59
	215649	400/\$.ccls. or 347/\$.ccls. or 428/\$.ccls. or 503/\$.ccls.	US-PGPUB	2004/07/28 10:55
	5	((ribbon or tape or film or donor) near2 (clean\$ or polish\$ or wiping or wipe) near2 (head or printhead).ab.) and (400/\$.ccls. or 347/\$.ccls. or 428/\$.ccls. or 503/\$.ccls.)	USPAT;	2004/07/28 10:55
	631	(400/237-241.4).CCLS.	US-PGPUB	2004/07/28 10:57
	3741	(347/171-223).CCLS.	USPAT;	2004/07/28 10:57
	4232	503/\$.ccls.	US-PGPUB	2004/07/28 10:57
	2817	(heat or sensitive or thermal) near2 (ribbon or tape or donor or film or sheet) and (printer or (printing) near1 (apparatus or device or machine or unit)) and 428/\$.ccls.	USPAT;	2004/07/28 10:59
			US-PGPUB	

	10119	((400/237-241.4).CCLS.) ((347/171-223).CCLS.) 503/\$.ccls. ((heat or sensitive or thermal) near2 (ribbon or tape or donor or film or sheet) and (printer or (printing) near1 (apparatus or device or machine or unit)) and 428/\$.ccls. )	USPAT; US-PGPUB	2004/07/28 10:59
	12137	(clean\$ or polish\$ or wiping or wipe) near2 (head or printhead)	USPAT; US-PGPUB	2004/07/28 12:22
	152	(((400/237-241.4).CCLS.) ((347/171-223).CCLS.) 503/\$.ccls. ((heat or sensitive or thermal) near2 (ribbon or tape or donor or film or sheet) and (printer or (printing) near1 (apparatus or device or machine or unit)) and 428/\$.ccls. ) ) and ( (clean\$ or polish\$ or wiping or wipe) near2 (head or printhead))	USPAT; US-PGPUB	2004/07/28 11:00
	944848	particle or powder or particulate or platelet or grain or granular or flake	USPAT; US-PGPUB	2004/07/28 11:01
	56	(((400/237-241.4).CCLS.) ((347/171-223).CCLS.) 503/\$.ccls. ((heat or sensitive or thermal) near2 (ribbon or tape or donor or film or sheet) and (printer or (printing) near1 (apparatus or device or machine or unit)) and 428/\$.ccls. ) ) and ( (clean\$ or polish\$ or wiping or wipe) near2 (head or printhead))) and (particle or powder or particulate or platelet or grain or granular or flake)	USPAT; US-PGPUB	2004/07/28 11:17
	2	jp-02258287-\$ did.	EPO; JPO; DERWENT	2004/07/28 11:20
	1	"6245382".PN.	USPAT	2004/07/28 11:19
	0	wo-0112448-\$ did.	EPO; JPO; DERWENT	2004/07/28 11:20
	1	wo-200112448-\$ did.	EPO; JPO; DERWENT	2004/07/28 11:21
	2	wo-9614993-\$ did.	EPO; JPO; DERWENT	2004/07/28 11:22
	2	ep-982150-\$ did.	EPO; JPO; DERWENT	2004/07/28 11:55
	2	wo-9707985-\$ did.	EPO; JPO; DERWENT	2004/07/28 11:23
	1	("5658661").PN.	USPAT; US-PGPUB	2004/07/28 11:23
	29	("3987225"   "4074000"   "4138527"   "4253899"   "4415615"   "4525566"   "4577204"   "4587156"   "4587167"   "4708907"   "4711874"   "4713273"   "4720479"   "4732815"   "4851383"   "4861651"   "4886774"   "4891260"   "4898849"   "4914079"   "4919994"   "5049434"   "5168002"   "5242650"   "5270088"   "5272127"   "5292713"   "5354588"   "5451440").PN.	USPAT	2004/07/28 11:24
	29	("3987225"   "4074000"   "4138527"   "4253899"   "4415615"   "4525566"   "4577204"   "4587156"   "4587167"   "4708907"   "4711874"   "4713273"   "4720479"   "4732815"   "4851383"   "4861651"   "4886774"   "4891260"   "4898849"   "4914079"   "4919994"   "5049434"   "5168002"   "5242650"   "5270088"   "5272127"   "5292713"   "5354588"   "5451440").PN.	USPAT	2004/07/28 11:26
	16	5658661.URPN.	USPAT	2004/07/28 11:27
	1	jp-59005216-\$ did.	EPO; JPO; DERWENT	2004/07/28 11:55
	0	jp595216	EPO; JPO; DERWENT	2004/07/28 11:56
	0	jp59005216	EPO; JPO; DERWENT	2004/07/28 11:56
	2	jp-02194047-\$ did.	EPO; JPO; DERWENT	2004/07/28 12:01
	584657	thermal or heat adj sensitive	EPO; JPO; DERWENT	2004/07/28 12:03
	8	direct near1 thermal near1 (media or sheet or medium or paper or receiver or element).ti.	EPO; JPO; DERWENT	2004/07/28 12:21
	1	("6759368").PN.	USPAT; US-PGPUB	2004/07/28 12:05
	0	direct near1 thermal near1 (media or sheet or medium or paper or receiver or element).ti.	USPAT; US-PGPUB	2004/07/28 12:05
	89	(sheet or media or medium or paper or receiver or substrate).ti. and direct near1 thermal near1 (printing or recording or printer)	USPAT; US-PGPUB	2004/07/28 12:06
	490	(sheet or media or medium or paper or receiver or substrate) and direct near1 thermal near1 (printing or recording or printer)	USPAT; US-PGPUB	2004/07/28 12:16

		13	((sheet or media or medium or paper or receiver or substrate) and direct near1 thermal near1 (printing or recording or printer)) and ( (clean\$ or polish\$ or wiping or wipe) near2 (head or printhead))	USPAT; US-PGPUB	2004/07/28 12:06
		3	(sheet or media or medium or paper or receiver or substrate) and reactive near1 thermal near1 (printing or recording or printer)	USPAT; US-PGPUB	2004/07/28 12:17
		56	(sheet or media or medium or paper or receiver or substrate) and reactive near1 (heat adj sensitive or thermal\$) with (printing or recording or printer)	USPAT; US-PGPUB	2004/07/28 12:17
		3	((sheet or media or medium or paper or receiver or substrate) and reactive near1 (heat adj sensitive or thermal\$) with (printing or recording or printer)) and ( (clean\$ or polish\$ or wiping or wipe) near2 (head or printhead))	USPAT; US-PGPUB	2004/07/28 12:17
		2432	thermal near1 (printing or printer or recording or recorder) near1 (media or sheet or medium or paper or receiver or element).ti.	EPO; JPO; DERWENT	2004/07/28 12:21
		10935	(clean\$ or polish\$ or wiping or wipe) near2 (head or printhead)	EPO; JPO; DERWENT	2004/07/28 12:22
		8	( thermal near1 (printing or printer or recording or recorder) near1 (media or sheet or medium or paper or receiver or element).ti.) and ( (clean\$ or polish\$ or wiping or wipe) near2 (head or printhead))	EPO; JPO; DERWENT	2004/07/28 12:25
		2	jp-10236006-\$ did.	EPO; JPO; DERWENT	2004/07/28 15:36
		76	protective near1 (coat or coating or film) with ribbon	EPO; JPO; DERWENT	2004/07/28 15:36
	742773	b41j\$.ipc. or laminat\$		EPO; JPO; DERWENT	2004/07/28 15:58
		34	(protective near1 (coat or coating or film) with ribbon ) and (b41j\$.ipc. or laminat\$)	EPO; JPO; DERWENT	2004/07/28 15:37
		1	("5143782").PN.	USPAT; US-PGPUB	2004/07/28 15:58
		2	jp-05139003-\$ did.	EPO; JPO; DERWENT	2004/07/28 16:47
		2	jp-02112990-\$ did.	EPO; JPO; DERWENT	2004/07/28 16:49
		2	jp-63064786-\$ did.	EPO; JPO; DERWENT	2004/07/28 16:49
		1	jp-62286789-\$ did.	EPO; JPO; DERWENT	2004/07/28 16:59
		1	jp-07009774-\$ did.	EPO; JPO; DERWENT	2004/07/28 16:51
		2	jp-63286395-\$ did.	EPO; JPO; DERWENT	2004/07/28 17:50
		766	thermal adj transfer adj ribbon	USPAT; US-PGPUB	2004/07/28 16:59
		55	thermal adj transfer adj ribbon.ti.	USPAT; US-PGPUB	2004/07/28 17:03
		683	thermal adj printer.ti.	USPAT; US-PGPUB	2004/07/28 17:03
		2	jp-2001213024-\$ did.	EPO; JPO; DERWENT	2004/07/28 18:11
		0	10/628,750	EPO; JPO; DERWENT	2004/07/28 18:12
		0	10/628,750	USPAT; US-PGPUB	2004/07/28 18:12
		15	wen\$.in. and thermal adj transfer	USPAT; US-PGPUB	2004/07/29 08:42
		15	wen\$.in. and 400\$.ccls.	USPAT; US-PGPUB	2004/07/29 10:48
		1	("5143782").PN.	USPAT; US-PGPUB	2004/07/29 10:53
		420	thermal adj transfer and organic near1 (particle or grain or particulate or powder or granula)	USPAT; US-PGPUB	2004/07/29 10:54
		228	thermal adj transfer near1 (dye or ribbon or tape or donor or film or sheet) and organic near1 (particle or grain or particulate or powder or granular)	USPAT; US-PGPUB	2004/07/29 11:22
		37	thermal adj transfer near1 (dye or ribbon or tape or donor or film or sheet) and organic near2 (particle or grain or particulate or powder or granular) (opacification or occluding) near2 (particle) and thermal adj transfer	EPO; JPO; DERWENT	2004/07/29 14:51
		10		USPAT; US-PGPUB	2004/07/29 12:04

	10	(opacification or occluding) near2 (particle) and thermal adj transfer and refract\$ near1 (rating or index or number or level or magnitude)	USPAT; US-PGPUB	2004/07/29 12:08
	86	(colorant or pigment or occluder opacification or occluding) near2 (particle) and thermal adj transfer and refract\$ near1 (rating or index or number or level or magnitude)	USPAT; US-PGPUB	2004/07/29 12:11
	76	((colorant or pigment or occluder opacification or occluding) near2 (particle) and thermal adj transfer and refract\$ near1 (rating or index or number or level or magnitude)) not ((opacification or occluding) near2 (particle) and thermal adj transfer and refract\$ near1 (rating or index or number or level or magnitude))	USPAT; US-PGPUB	2004/07/29 12:10
	144	thermal adj transfer near1 (ribbon or film or sheet or donor or tape) and refract\$ near1 (rating or index or number or level or magnitude)	USPAT; US-PGPUB	2004/07/29 12:12
	134	(thermal adj transfer near1 (ribbon or film or sheet or donor or tape) and refract\$ near1 (rating or index or number or level or magnitude)) not ((opacification or occluding) near2 (particle) and thermal adj transfer and refract\$ near1 (rating or index or number or level or magnitude))	USPAT; US-PGPUB	2004/07/29 12:31
	7	clay near1 modified near2 polypropylene	USPAT; US-PGPUB	2004/07/29 12:32
	1	clay near1 modified near2 polypropylene	EPO; JPO; DERWENT	2004/07/29 12:33
	1338	oriented near1 polypropylene	EPO; JPO; DERWENT	2004/07/29 12:33
	1	("5378676").PN.	USPAT; US-PGPUB	2004/07/29 12:34
	1	("5,865,548").PN.	USPAT; US-PGPUB	2004/07/29 12:34
	1	("5143782").PN.	USPAT; US-PGPUB	2004/07/29 12:37
	1	("20020160160").PN.	USPAT; US-PGPUB	2004/07/29 12:39
	125	thermal near1 transfer and orient\$ near1 polypropylene	USPAT; US-PGPUB	2004/07/29 12:57
	19	thermal near1 transfer near1 (film or tape or donor or dye or sheet) and orient\$ near1 polypropylene	USPAT; US-PGPUB	2004/07/29 14:20
	631	(400/237-241.4).CCLS.	USPAT; US-PGPUB	2004/07/29 12:46
	2	(thermal near1 transfer and orient\$ near1 polypropylene ) and ((400/237-241.4).CCLS.)	USPAT; US-PGPUB	2004/07/29 12:48
	3	advantage near3 orient\$ near1 polypropylene	USPAT; US-PGPUB	2004/07/29 12:50
	36	selected near3 orient\$ near1 polypropylene	USPAT; US-PGPUB	2004/07/29 12:51
	35	advantage with orient\$ near1 polypropylene	USPAT; US-PGPUB	2004/07/29 12:51
	32	(advantage with orient\$ near1 polypropylene ) not (advantage near3 orient\$ near1 polypropylene )	USPAT; US-PGPUB	2004/07/29 12:52
	2	thermal near1 transfer and orient\$ near1 polypropylene	EPO; JPO; DERWENT	2004/07/29 13:51
	107657	B41M005/\$.ipc. B41M005/\$.epc.	EPO; JPO; DERWENT	2004/07/29 14:21
	1490	orient\$ near1 (polypropylene)	EPO; JPO; DERWENT	2004/07/29 13:52
	16	(B41M005/\$.ipc. B41M005/\$.epc.) and (orient\$ near1 (polypropylene))	EPO; JPO; DERWENT	2004/07/29 13:52
	1236	thermal near1 transfer near1 (film or tape or donor or dye or sheet) and polyethylene	USPAT; US-PGPUB	2004/07/29 14:22
	106924	B41M005/\$.ipc. B41M005/\$.epc. and polyethylene and (thermal or heat sensitive)	EPO; JPO; DERWENT	2004/07/29 14:53
	2801	(B41M005/\$.ipc. B41M005/\$.epc.) and polyethylene and (thermal or heat sensitive)	EPO; JPO; DERWENT	2004/07/29 14:22
	32	(B41M005/\$.ipc. B41M005/\$.epc.) and polyethylene near2 (thermal or heat sensitive)	EPO; JPO; DERWENT	2004/07/29 14:22

	742	thermal near1 transfer near1 (film or tape or donor or dye or sheet) and polyethylene near2 (heat near1 resinan\$ or layer or film or sheet or head or printhead)	USPAT; US-PGPUB	2004/07/29 14:50
	5668	first near1 (particle or grain or granular or powder) and second near1 (particle or grain or granular or powder)	USPAT; US-PGPUB	2004/07/29 14:52
	2512	thermal adj transfer near1 (dye or ribbon or tape or donor or film or sheet)	USPAT; US-PGPUB	2004/07/29 14:51
	5	(first near1 (particle or grain or granular or powder) and second near1 (particle or grain or granular or powder)) and (thermal adj transfer near1 (dye or ribbon or tape or donor or film or sheet) )	USPAT; US-PGPUB	2004/07/29 14:51
	1446	first near1 (particle or grain or granular or powder) and second near1 (particle or grain or granular or powder)	EPO; JPO; DERWENT	2004/07/29 15:00
	107657	B41M005/\$.ipc. B41M005/\$.epc.	EPO; JPO; DERWENT	2004/07/29 15:14
	16	(first near1 (particle or grain or granular or powder) and second near1 (particle or grain or granular or powder)) and (B41M005/\$.ipc. B41M005/\$.epc.)	EPO; JPO; DERWENT	2004/07/29 14:57
	1	("5283105").PN.	USPAT; US-PGPUB	2004/07/29 14:58
	8	("4242396"   "4415626"   "4480003"   "4481252"   "4526847"   "4869955"   "4873135"   "4876235").PN.	USPAT	2004/07/29 14:58
	10400	(head or printhead) near2 (clean\$ or polish\$)	EPO; JPO; DERWENT	2004/07/29 14:59
	1014781	b41j\$.ipc. or b41j\$.epc. or printer or printing or (image near1 (recorder or recording or forming)) or b41m005/\$.ipc. or b41m005/\$.epc.	EPO; JPO; DERWENT	2004/07/29 15:00
	1885	((head or printhead) near2 (clean\$ or polish\$) ) and (b41j\$.ipc. or b41j\$.epc. or printer or printing or (image near1 (recorder or recording or forming)) or b41m005/\$.ipc. or b41m005/\$.epc.)	EPO; JPO; DERWENT	2004/07/29 15:00
	1556	first near1 (particle or grain or granular or powder or particulate) and second near1 (particle or grain or granular or powder or particulate)	EPO; JPO; DERWENT	2004/07/29 15:01
	1100	organic near1 (particle or grain or granular or powder or particulate) and inorganic near1 (particle or grain or granular or powder or particulate)	EPO; JPO; DERWENT	2004/07/29 15:01
	6250	(different or another) near1 (particle or grain or granular or powder or particulate)	EPO; JPO; DERWENT	2004/07/29 15:04
	1	((head or printhead) near2 (clean\$ or polish\$) ) and (b41j\$.ipc. or b41j\$.epc. or printer or printing or (image near1 (recorder or recording or forming)) or b41m005/\$.ipc. or b41m005/\$.epc.) and ((first near1 (particle or grain or granular or powder or particulate) and second near1 (particle or grain or granular or powder or particulate)) (organic near1 (particle or grain or granular or powder or particulate) and inorganic near1 (particle or grain or granular or powder or particulate)) ((different or another) near1 (particle or grain or granular or powder or particulate) ))	EPO; JPO; DERWENT	2004/07/29 15:03
	147	(two or double or second) near2 (side\$ or face\$) and (head or printhead) near2 (clean\$ or polish\$ or wipe or wiping or wiped)	EPO; JPO; DERWENT	2004/07/29 15:04
	202	(each or both) near2 (side\$ or face\$) and (head or printhead) near2 (clean\$ or polish\$ or wipe or wiping or wiped)	EPO; JPO; DERWENT	2004/07/29 15:04
	1287208	(particle or grain or granular or powder or particulate)	EPO; JPO; DERWENT	2004/07/29 15:05
	31	(((two or double or second) near2 (side\$ or face\$) and (head or printhead) near2 (clean\$ or polish\$ or wipe or wiping or wiped)) ((each or both) near2 (side\$ or face\$) and (head or printhead) near2 (clean\$ or polish\$ or wipe or wiping or wiped))) and ( (particle or grain or granular or powder or particulate) )	EPO; JPO; DERWENT	2004/07/29 15:13
	15196	(head or printhead) near4 (clean\$ or polish\$ or wipe or wiped or wiping)	EPO; JPO; DERWENT	2004/07/29 15:15
	86	(B41M005/\$.ipc. B41M005/\$.epc.) and ((head or printhead) near4 (clean\$ or polish\$ or wipe or wiped or wiping))	EPO; JPO; DERWENT	2004/07/29 15:15
	65	((B41M005/\$.ipc. B41M005/\$.epc.) and ((head or printhead) near4 (clean\$ or polish\$ or wipe or wiped or wiping))) not (inkjet or ink adj jet)	EPO; JPO; DERWENT	2004/07/29 16:15
	37	(head or printhead) near4 (clean\$ or polish\$) and (b41j\$.ipc or b41j\$.epc.) not (inkjet or ink adj jet)	EPO; JPO; DERWENT	2004/07/29 15:16
	1	("6001770").PN.	USPAT; US-PGPUB	2004/07/29 15:36

-	1	"4892860".PN.	USPAT	2004/07/29 15:36
-	0	6001770.URPN.	USPAT	2004/07/29 15:36
-	2	jp-02113987-\$ did.	EPO; JPO; DERWENT	2004/07/29 16:13
-	2	jp-02113987-\$ did.	EPO; JPO; DERWENT	2004/07/29 16:14
-	50244	b41m005/26.ipc. or b41m005/26.epc. or b41m005/40.ipc. b41m005/40.epc.	EPO; JPO; DERWENT	2004/07/29 16:16
-	65	((B41M005/\$.ipc. B41M005/\$.epc.) and ((head or printhead) near4 (clean\$ or polish\$ or wipe or wiped or wiping))) not (inkjet or ink adj jet)	EPO; JPO; DERWENT	2004/07/29 16:15
-	50188	(b41m005/26.ipc. or b41m005/26.epc. or b41m005/40.ipc. b41m005/40.epc.) not (((B41M005/\$.ipc. B41M005/\$.epc.) and ((head or printhead) near4 (clean\$ or polish\$ or wipe or wiped or wiping))) not (inkjet or ink adj jet))	EPO; JPO; DERWENT	2004/07/29 16:15
-	42665	b41m005/26.ipc.	EPO; JPO; DERWENT	2004/07/29 16:17
-	5269	(film sheet substrate paper media medium) and (second another two each both) near2 (particle or particulate or powder or grain or granular or platelet) (another second or each or both or other) near2 (side or face)	EPO; JPO; DERWENT	2004/07/29 17:39
-	420092		EPO; JPO; DERWENT	2004/07/29 17:17
-	310	((film sheet substrate paper media medium) and (second another two each both) near2 (particle or particulate or powder or grain or granular or platelet)) and ((another second or each or both or other) near2 (side or face))	EPO; JPO; DERWENT	2004/07/29 16:21
-	154026	abrad\$ or abras\$	EPO; JPO; DERWENT	2004/07/29 16:21
-	17	(((film sheet substrate paper media medium) and (second another two each both) near2 (particle or particulate or powder or grain or granular or platelet)) and ((another second or each or both or other) near2 (side or face))) and (abrad\$ or abras\$)	EPO; JPO; DERWENT	2004/07/29 16:21
-	21	((("3,823,947") or ("3,827,699") or ("4,138,229") or ("4,369,456") or ("4,422,119") or ("4,446,205") or ("4,476,177") or ("4,644,370") or ("4,933,015") or ("5,227,226") or ("5,525,417") or ("5,536,328") or ("5,563,646") or ("5,688,060") or ("5,875,719") or ("5,926,197") or ("5,936,816") or ("5,995,126") or ("6,028,614") or ("6,210,490") or ("20040017458")).PN.	USPAT; US-PGPUB	2004/07/29 16:54
-	10	("3029457"   "3069815"   "3822517"   "4349933"   "4627643"   "4933015"   "5140785"   "5148572"   "5227844"   "5408718").PN.	USPAT	2004/07/29 16:33
-	2	jp-09327894-\$ did.	EPO; JPO; DERWENT	2004/07/29 17:10
-	33	3069815.URPN.	USPAT	2004/07/29 16:56
-	5	("3008852"   "3069815"   "3574261"   "4507155"   "4644370").PN.	USPAT	2004/07/29 16:58
-	7	5030292.URPN.	USPAT	2004/07/29 16:59
-	5	("3069815"   "3266878"   "3383191"   "3476537"   "3978520").PN.	USPAT	2004/07/29 17:00
-	22	4138229.URPN.	USPAT	2004/07/29 17:01
-	22	4138229.URPN.	USPAT	2004/07/29 17:05
-	11	5536328.URPN.	USPAT	2004/07/29 17:07
-	10477	b24d003/\$.ipc. b24d003/\$.epc. b24d0011/\$.ipc. b24d0011/\$.epc.	EPO; JPO; DERWENT	2004/07/29 17:15
-	184	((another second or each or both or other) near2 (side or face)) and (b24d003/\$.ipc. b24d003/\$.epc. b24d0011/\$.ipc. b24d0011/\$.epc.)	EPO; JPO; DERWENT	2004/07/29 17:12
-	2649114	film or sheet or tape or web	EPO; JPO; DERWENT	2004/07/29 17:12
-	3033961	film or sheet or tape or web or flexible	EPO; JPO; DERWENT	2004/07/29 17:16
-	47	(((another second or each or both or other) near2 (side or face)) and (b24d003/\$.ipc. b24d003/\$.epc. b24d0011/\$.ipc. b24d0011/\$.epc.)) and (film or sheet or tape or web or flexible)	EPO; JPO; DERWENT	2004/07/29 17:12
-	0	b24d0011/\$.ipc. b24d0011/\$.epc. and (clean\$)	EPO; JPO; DERWENT	2004/07/29 17:16
-	0	( b24d0011/\$.ipc. b24d0011/\$.epc.) and (clean\$)	EPO; JPO; DERWENT	2004/07/29 17:16
-	0	( b24d0011/\$.ipc. b24d0011/\$.epc.)	EPO; JPO; DERWENT	2004/07/29 17:16
-	3635	( b24d011/\$.ipc. b24d011/\$.epc.)	EPO; JPO; DERWENT	2004/07/29 17:16

	1820	(film or sheet or tape or web or flexible) and (( b24d011/\$.ipc. b24d011/\$.epc.) )	EPO; JPO; DERWENT	2004/07/29 17:16
	420092	(another second or each or both or other) near2 (side or face)	EPO; JPO; DERWENT	2004/07/29 17:17
	57	((film or sheet or tape or web or flexible) and (( b24d011/\$.ipc. b24d011/\$.epc.) )) and ((another second or each or both or other) near2 (side or face) )	EPO; JPO; DERWENT	2004/07/29 17:20
	28	head near2 (clean\$ or polish\$) and (both or each or two or other or another or second) near2 (side or face) and (particle or particulate or platelet or powder or grain or granular)	EPO; JPO; DERWENT	2004/07/29 17:26
	2	jp-09327894-\$ did.	EPO; JPO; DERWENT	2004/07/29 17:26
	1413	head near2 (clean\$ or polish\$) and (both or each or two or other or another or second) near2 (side or face) and (particle or particulate or platelet or powder or grain or granular)	USPAT; US-PGPUB	2004/07/29 17:27
	14511	(side or face) near2 (particle or particulate or platelet or powder or grain or granular)	USPAT;	2004/07/29 17:28
	67	(head near2 (clean\$ or polish\$) and (both or each or two or other or another or second) near2 (side or face) and (particle or particulate or platelet or powder or grain or granular)) and ( (side or face) near2 (particle or particulate or platelet or powder or grain or granular))	USPAT; US-PGPUB	2004/07/29 17:27
	1521	head near2 (clean\$ or polish\$).ab.	USPAT;	2004/07/29 17:38
	754524	(both or each or two or other or another or second) near2 (side or face)	USPAT; US-PGPUB	2004/07/29 17:27
	1	(( (side or face) near2 (particle or particulate or platelet or powder or grain or granular)) and (head near2 (clean\$ or polish\$).ab.) and ( (both or each or two or other or another or second) near2 (side or face)))	USPAT; US-PGPUB	2004/07/29 17:28
	371	(head near2 (clean\$ or polish\$).ab.) and ( (both or each or two or other or another or second) near2 (side or face))	USPAT;	2004/07/29 17:28
	75311	(tape web sheet film layer) near2 (particle or particulate or platelet or powder or grain or granular)	USPAT; US-PGPUB	2004/07/29 17:29
	10	((head near2 (clean\$ or polish\$).ab.) and ( (both or each or two or other or another or second) near2 (side or face))) and ( (tape web sheet film layer) near2 (particle or particulate or platelet or powder or grain or granular))	USPAT; US-PGPUB	2004/07/29 17:38
	1621	(printhead or head) near2 (clean\$ or polish\$).ab.	USPAT;	2004/07/29 17:39
	75333	(film sheet substrate paper media medium) near2 (particle or particulate or powder or grain or granular or platelet)	USPAT; US-PGPUB	2004/07/29 17:46
	101	((printhead or head) near2 (clean\$ or polish\$).ab. ) and ((film sheet substrate paper media medium) near2 (particle or particulate or powder or grain or granular or platelet))	USPAT; US-PGPUB	2004/07/29 17:44
	73	((head near2 (clean\$ or polish\$).ab.) and ( (both or each or two or other or another or second) near2 (side or face))) and (web or tape or sheet or paper of film).ab.	USPAT; US-PGPUB	2004/07/29 17:45
	7	((film sheet substrate paper media medium) near2 (particle or particulate or powder or grain or granular or platelet)) and (((head near2 (clean\$ or polish\$).ab.) and ( (both or each or two or other or another or second) near2 (side or face))) and (web or tape or sheet or paper of film).ab.)	USPAT; US-PGPUB	2004/07/29 17:44
	5897	51/\$.ccls.	USPAT;	2004/07/29 17:45
	734	((film sheet substrate paper media medium) near2 (particle or particulate or powder or grain or granular or platelet)) and 51/\$.ccls.	USPAT; US-PGPUB	2004/07/29 17:45
	2600	(each or both or two or other or another or second) near2 (side or face) near4 (particle or particulate or powder or grain or granular or platelet)	USPAT; US-PGPUB	2004/07/29 17:47
	19	((((film sheet substrate paper media medium) near2 (particle or particulate or powder or grain or granular or platelet)) and 51/\$.ccls.) and ((each or both or two or other or another or second) near2 (side or face) near4 (particle or particulate or powder or grain or granular or platelet))	USPAT; US-PGPUB	2004/07/29 17:48
	39	abrasive adj (tape or web or ribbon or film).ti..	USPAT;	2004/07/29 17:52
	7	("5601474"   "5667426"   "5876268"   "5908478"   "6113469"   "6354929"   "6443827"   "2003/0024169").PN.	USPAT	2004/07/29 17:49
	4	("4590127"   "4740423"   "5456734"   "5573444").PN.	USPAT	2004/07/29 17:50
	1	5632789.URPN.	USPAT	2004/07/29 17:50

-	5 3256	("4756960"   "4762534"   "4842618"   "4903440"   "4922675").PN. (428/323).CCLS.	USPAT USPAT; US-PGPUB	2004/07/29 17:51 2004/07/29 17:54
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